

ABSTRACT

This invention relates to an apparatus for encoding data or the like, which disables the data to be copied in a condition where its good
5 quality is maintained without deteriorating a quality of an output owing
to the data before being copied. Synchronization signals VD and HD
separated from the analog image data Van are delayed and supplied to a clock
generation circuit 1133 where a clock CLK is generated in a range of an
effective screen based on the synchronization signals. This clock signal
10 CLK is shifted vertically and horizontally so that a phase of image data
Vdgl output from A/D converter 1134 is also shifted. In this image data
Vdgl, a signal-deteriorating factor is generated. Encoding section 1135
performs encoding by sampling, conversion encoding, and the like. By
shifting the phase of the image data Vdgl, a sampling position and/or a
15 block position are caused to be shifted from a position where obtaining
original encoding data relative to the image data Van1, thereby generating
significant deterioration in the encoding section 1135.